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1 **Xen and the art of virtualization**
Paul Barham, Boris Dragovic, Keir Fraser, Steven Hand, Tim Harris, Alex H
Ian Pratt, Andrew Warfield
December 2003 **SOSP '03**: Proceedings of the nineteenth ACM symposium
                 systems principles
Publisher: ACM ◈ Request Permissions

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Numerous systems have been designed which use virtualization to subd
resources of a modern computer. Some require specialized hardware, o
commodity operating systems. Some target 100% binary compatibility

Keywords: hypervisors, paravirtualization, virtual machine monitors

Also published in:
    December 2003 **SIGOPS Operating Systems Review** Volume 37 Issue 5

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2 **Microsoft TerraServer: a spatial data warehouse**
Tom Barclay, Jim Gray, Don Slutz
June 2000 **SIGMOD '00**: Proceedings of the 2000 ACM SIGMOD internatior
              Management of data
Publisher: ACM ◈ Request Permissions

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Microsoft® TerraServer stores aerial, satellite, and topographic images
SQL database available via the Internet. It is the world's largest online ;
eight terabytes of image data from the United States Geological Survey

Keywords: VLDB, geo-spatial, image databases, internet

Also published in:
    June 2000 **SIGMOD Record** Volume 29 Issue 2

3

JavaSymphony: new directives to control and synchronize locality, p
load balancing for cluster and GRID-computing
Thomas Fahringer, Alexandru Jugravu
November 2002 **JGI '02:** Proceedings of the 2002 joint ACM-ISCOPE confer
Grande
Publisher: ACM

Full text available: Pdf (214.97 KB)   Additional Information: full citation, abstract, refere
terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 28,   Citation

There has been an increasing research interest in extending the use of
performance-oriented programming for distributed and concurrent appli
research projects have introduced class libraries or language extensions

4 Towards a taxonomy of software connectors
Nikunj R. Mehta, Nenad Medvidovic, Sandeep Phadke
June 2000 **ICSE '00:** Proceedings of the 22nd international conference on {
Publisher: ACM

Full text available: Pdf (184.27 KB)   Additional Information: full citation, abstract, refere
terms

Bibliometrics: Downloads (6 Weeks): 19,   Downloads (12 Months): 165,   Citatic

Software systems of today are frequently composed from prefabricated,
components that provide complex functionality and engage in complex i
research on component-based development has mostly focused on com

Keywords: classification, software architecture, software connector, ta

5 Process migration
Dejan S. Milojičić, Fred Douglis, Yves Paindaveine, Richard Wheeler, Songn
September 2000 **Computing Surveys (CSUR)** , Volume 32 Issue 3
Publisher: ACM Request Permissions

Full text available: Pdf (1.24 MB)   Additional Information: full citation, abstract, refere
terms, review

Bibliometrics: Downloads (6 Weeks): 85,   Downloads (12 Months): 663,   Citatic

Process migration is the act of transferring a process between two mach
dynamic load distribution, fault resilience, eased system administration,
locality. Despite these goals and ongoing research efforts, migration ha!

Keywords: distributed operating systems, distributed systems, load di!
migration

6 An enforced inter-admission delay performance-driven connection ac
algorithm
Stanislav Belenki
April 2002 **SIGCOMM Computer Communication Review** , Volume 32 Issue
Publisher: ACM

Full text available: Pdf (327.06 KB)   Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 14,   Citation

Connection Admission Control (CAC) is an important function in a comp supports Quality of Service (QoS). The function of CAC is to decide whe connection can be admitted on the network or a part of the network in s

7 Techniques for obtaining high performance in Java programs

Iffat H. Kazi, Howard H. Chen, Berdenia Stanley, David J. Lilja
September 2000 **Computing Surveys (CSUR)** , Volume 32 Issue 3

Publisher: ACM Request Permissions

Full text available: Pdf (816.13 KB)   Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 82,   Downloads (12 Months): 474,   Citatic

This survey describes research directions in techniques to improve the p programs written in the Java programming language. The standard tech execution is interpretation, which provides for extensive portability of pr

Keywords: Java, Java virtual machine, bytecode-to-source translators, dynamic compilation, interpreters, just-in-time compilers

8 An analysis of Internet chat systems

Christian Dewes, Arne Wichmann, Anja Feldmann
October 2003 **IMC '03**: Proceedings of the 3rd ACM SIGCOMM conference o measurement

Publisher: ACM Request Permissions

Full text available: Pdf (630.55 KB)   Additional Information: full citation, references, cit

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 198,   Citatic

Keywords: IRC, chat, network measurements

9 Designing a distributed access control processor for network service

Reiner Kraft
November 2002 **XMLSEC '02**: Proceedings of the 2002 ACM workshop on X

Publisher: ACM Request Permissions

Full text available: Pdf (301.14 KB)   Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 19,   Downloads (12 Months): 166,   Citatic

The service oriented architecture (SOA) is gaining more momentum wit network services on the Web. A programmable and machine accessible many,and might represent a step towards the semantic Web. However,

Keywords: Web services, XML, access control, security

10 Advanced data processing in KRISYS: modeling concepts, implemer and client/server issues

Stefan Deßloch, Theo Härder, Nelson Mattos, Bernhard Mitschang, Joachim
May 1998 **The VLDB Journal — The International Journal on Very Lar**
Volume 7 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (210.27 KB)   Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 29,   Citation

The increasing power of modern computers is steadily opening up new a for advanced data processing such as engineering and knowledge-basec meet their requirements, concepts for advanced data management have investigated ...

Keywords: Client/server architectures, Consistency control, Object-orie concepts, Query processing, Run-time optimization

11 Trust management for IPsec

May 2002 **Transactions on Information and System Security (TISSE(**

Publisher: ACM Request Permissions

Full text available: Pdf (321.98 KB)   Additional Information: full citation, abstract, refere terms, review

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 189,   Citatic

IPsec is the standard suite of protocols for network-layer confidentiality of Internet traffic. The IPsec protocols, however, do not address the pol protected traffic should be handled at security end points. This article ..

Keywords: Credentials, IPsec, KeyNote, network security, policy, trust

12 System design of active basestations based on dynamically reconfig

Athanassios Boulis, Mani B. Srivastava

June 2000 **DAC '00:** Proceedings of the 37th conference on Design automa

Publisher: ACM Request Permissions

Full text available: Pdf (111.85 KB)   Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 5,   Citation C

Providing multiple modes to support dynamically changing environment new services is prevalent in embedded systems, especially in mobile rac Because such a system frequently contains time-constrained tasks, it is

13 A model of OASIS role-based access control and its support for acti\

Jean Bacon, Ken Moody, Walt Yao

November 2002 **Transactions on Information and System Security (TI**
Issue 4

Publisher: ACM Request Permissions

Full text available: Pdf (352.06 KB)   Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 31,   Downloads (12 Months): 248,   Citatic

OASIS is a role-based access control architecture for achieving secure ir services in an open, distributed environment. The aim of OASIS is to all management domains to specify their own access control policies and tc

Keywords: Certificates, OASIS, RBAC, distributed systems, policy, role control, service-level agreements

14 The state of the art in automating usability evaluation of user interfac
Melody Y. Ivory, Marti A Hearst
December 2001 **Computing Surveys (CSUR)** , Volume 33 Issue 4
Publisher: ACM Request Permissions

Full text available: Pdf (2.31 MB)   Additional Information: full citation, abstract, refere terms, review

Bibliometrics: Downloads (6 Weeks): 151,   Downloads (12 Months): 1378,   Cit;

Usability evaluation is an increasingly important part of the user interfa
However, usability evaluation can be expensive in terms of time and hu
automation is therefore a promising way to augment existing approache

Keywords: Graphical user interfaces, taxonomy, usability evaluation al
interfaces

15 Understanding BGP misconfiguration
Ratul Mahajan, David Wetherall, Tom Anderson
August 2002 **SIGCOMM '02:** Proceedings of the 2002 conference on Applic;
architectures, and protocols for computer communications
Publisher: ACM Request Permissions

Full text available: Pdf (312.33 KB)   Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 139,   Citatic

It is well-known that simple, accidental BGP configuration errors can dis
connectivity. Yet little is known about the frequency of misconfiguration
except for the few spectacular incidents of widespread outages. In this |

Also published in:
October 2002 **SIGCOMM Computer Communication Review** Volume 32 Issue

16 Context-based prefetch – an optimization for implementing objects o
Philip A. Bernstein, Shankar Pal, David Shutt
December 2000 **The VLDB Journal — The International Journal on Ver
Bases** , Volume 9 Issue 3
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (142.24 KB)   Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 44,   Citation

When implementing persistent objects on a relational database, a majoı
is prefetching data to minimize the number of round-trips to the databa
hard with navigational applications, since future accesses are unpredict;

Keywords: Caching, Object-oriented database, Object-relational mapp

17

Nomadic radio: speech and audio interaction for contextual messagi environments
Nitin Sawhney, Chris Schmandt
September 2000 **Transactions on Computer-Human Interaction (TOCH**
Publisher: ACM ◈ Request Permissions

Full text available: 🖹 Pdf (648.76 KB)   Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 169, Citatic

Mobile workers need seamless access to communication and informatior the move. However, current solutions overwhelm users with intrusive ir ambiguous notifications. This article discusses the interaction technique

Keywords: adaptive interfaces, contextual interfaces, interruptions, no notifications, passive awareness, spatial listening, speech interaction, w

18 An Internet-based negotiation server for e-commerce
Stanley Y.W. Su, Chunbo Huang, Joachim Hammer, Yihua Huang, Haifei Li, Youzhong Liu, Charnyote Pluempitiwiriyawej, Minsoo Lee, Herman Lam
August 2001 **The VLDB Journal — The International Journal on Very L**
Volume 10 Issue 1
Publisher: Springer-Verlag New York, Inc.

Full text available: 🖹 Pdf (355.19 KB)   Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 135, Citatior

This paper describes the design and implementation of a replicable, Intε negotiation server for conducting bargaining-type negotiations between in e-commerce and e-business. Enterprises can be buyers and sellers of products/services ...

Keywords: Constraint evaluation, Cost- benefit analysis, Database, E-c Negotiation policy and strategy, Negotiation protocol

19 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **CASCON '97:** Proceedings of the 1997 conference of the C Studies on Collaborative research
Publisher: IBM Press

Full text available: 🖹 Pdf (4.21 MB)   Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 84, Downloads (12 Months): 396, Citatic

Understanding distributed applications is a tedious and difficult task. Vis process-time diagrams are often used to obtain a better understanding the application. The visualization tool we use is Poet, an event ...

20 Parallel execution of prolog programs: a survey
◈ Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Her
July 2001 **Transactions on Programming Languages and Systems (T**
Issue 4

Publisher: ACM ◈ Request Permissions

Full text available: 📄 Pdf (1.95 MB)   Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 211,   Citatic

Since the early days of logic programming, researchers in the field reali exploitation of parallelism present in the execution of logic programs. Tl nature, the presence of nondeterminism, and their referential transpare

Keywords: Automatic parallelization, constraint programming, logic pr parallelism, prolog

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